

5'	9	18	27	36	45	54
TCT	GGG AAG TAG AGG TGT TGT GCT GAG CGG CGC TCG GCG AAC TGT GTG GAC CGT,					
	63	72	81	90	99	108
CTG CTG GGA CTC CGG CCC TGC GTC CGC TCA GCC CCG TGG CCC GCA CCT ACT						
	117	126	135	144	153	162
GCC ATG GAG ACG CGG CCT CGT CTC GGG GCC ACC TGT TTG CTG GGC TTC AGT TTC						
M E T R P R L G A T C L L G F S F						
	171	180	189	198	207	216
CTG CTC CTC GTC ATC TCT TCT GAT GGA CAT AAT GGG CTT GGA AAG GGT TTT GGA						
L L L V I S S D G G H N G L G K G F G						
	225	234	243	252	261	270
GAT CAT ATT CAT TGG AGG ACA CTG GAA GAT GGG AAG AAA GAA GCA GCT GCC AGT						
D H I H H W R T L E D G K K E A A A S						
	279	288	297	306	315	324
GGA CTG CCC CTG ATG GTG ATT ATT CAT AAA TCC TGG TGT GGA GCT TGC AAA GCT						
G L P L M V I I H K S W C G A C K A						
	333	342	351	360	369	378
CTA AAG CCC AAA TTT GCA GAA TCT ACG GAA ATT TCA GAA CTC TCC CAT AAT TTT						
L K P K F A E S T E I S E L S H N F						

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387	396	405	414	423	432
GTT ATG GTA AAT CTT GAG GAT GAA CCC AAA GAT GAA GAT TTC AGC CCT					
V M V N L E D E E E P K D E D F S P					
441	450	459	468	477	486
GAC GGG GGT TAT ATT CCA CGA ATC CTT TTT CTG GAT CCC AGT GGC AAG GTG CAT					
D G G Y I P R I L F L D P S G K V H					
495	504	513	522	531	540
CCT GAA ATC ATC AAT GAG AAT GGA AAC CCC AGC TAC AAG TAT TTT TAT GTC AGT					
P E I I N E N G N P S Y K Y F Y V S					
549	558	567	576	585	594
GCC GAG CAA GTT GTT CAG GGG ATG AAG GAA GCT CAG GAA AGG CTG ACG GGT GAT					
A E Q V V Q G M K E A Q E R L T G D					
603	612	621	630	639	648
GCC TTC AGA AAG AAA CAT CTT GAA GAT GAA TTG TAA CAT GAA TGT GCC CCT TCT					
A F R K K H L E D E L					
657	666	675	684	693	702
TTC ATC AGA GTT AGT GTT CTG GAA GGA AAG CAG CAG GGA AGG GAA TAT TGA GGA					
711	720	729	738	747	756
ATC ATC TAG AAC AAT TAA GCC GAC CAG GAA ACC TCA TTC CTA CCT ACA CTG GAA					

FIGURE 1B

765	774	783	792	801	810
GGA GCG CTC TCA CTG TGG AAG AGT TCT GCT AAC AGA AGC TGG TCT GCA TGT TTG					
819	828	837	846	855	864
TGG ATC CAG CGG AGA GTG GCA GAC TTT CTT CTC CTT TTC CCT CTC ACC TAA ATG					
873	882	891	900	909	918
TCA ACT TGT CAT TGA ATG TAA AGA ATG AAA CCT TCT GAC ACA AAA CTT GAG CCA					
927	936	945	954	963	972
CTT GGA TGT TTA CTC CTC GCA CTT AAG TAT TTG AGT CTT TTC CCA TTT CCT CCC					
981	990	999	1008	1017	1026
ACT TTA CTC ACC TTA GTG GTG AAA GGA GAC TAG TAG CAT CTT TTC TAC AAC GTT					
1035	1044	1053	1062	1071	1080
AAA ATT GCA GAA GTA GCT TAT CAT TAA AAA ACA ACA ACA ACA ATA ACA ATA					
1089	1098	1107	1116	1125	1134
AAT CCT AAG TGT AAA TCA GTT ATT CTA CCC CCT ACC AAG GAT ATC AGC CTG TTT					
1143	1152	1161	1170	1179	1188
TTT CCC TTT TTT CTC CTG GGA ATA ATT GTG GGC TTC TTC CCA AAT TTC TAC AGC					
1197	1206	1215	1224	1233	1242
CTC TTT CCT CTT CTC ATG CTT GAG CTT CCC TGT TTG CAC GCA TGC GTG TGC AGG					

FIGURE 1C

# TABLE 1

1251	1260	1269	1278	1287	1296
ACT GGC TGT GTG CTT GGA CTC GGC TCC AGG TGG AAG CAT GCT TTC CCT TGT TAC					
1305	1314	1323	1332	1341	1350
TGT TGG AGA AAC TCA AAC CTT CAA GCC CTA GGT GTA GCC ATT TTG TCA AGT CAT					
1359	1368	1377	1386	1395	1404
CAA CTG TAT TTT TGT ACT GGC ATT AAC AAA AGA GAT AAA ATA TTG TAC CAT					
1413	1422	1431	1440		
TAA ACT TTA ATA AAA CTT TAA AAG GAA AAA AAA AAA 3'					

FIGURE 1D

10	19	28	37	46	55
5' GGG GAG GCG GGG CGA GAC CTA CGA CGC CGG CGA GCA GTG GCC GTT ACG GCC GAA					
64	73	82	91	100	109
AAG ATG GCG GTC TTG GCA CCT CTA ATT GCT CTC GTG TAT TCG GTG CCG CGA CTT					
M A V L A P L I A L V Y S V P R L					
118	127	136	145	154	163
TCA CGA TGG CTC GCG CAA CCT TAC TAC CTT CTC TCG GCC CTC GTG TCT GCT GCC					
S R W L A Q P Y Y L L S A L L S A A					
172	181	190	199	208	217
TTC CTA CTC GTG AGG AAA CTG CCG CCG CTC TGC CAC GGT CTC CCC ACC CAA CGC					
F L L V R K L P P L C H G L P T Q R					
226	235	244	253	262	271
GAA GAC GGT AAC CCG TGT GAC TTT GAC TGG AGA GAA GTG GAG ATC CTG ATG TTT					
E D G N P C D F D W R E V E I L M F					
280	289	298	307	316	325
CTC AGT GCC ATT GTG ATG ATG AAG AAC CGC AGA TCC ATG TTC CTG ATG ACG TGC					
L S A I V M M K N R R R S M F L M T C					
334	343	352	361	370	379
AAA CCC CCC CTA TAT ATG GCG CCT GAG TAT ATC AAG TAC TTC AAT GAT AAA ACC					
K P P L Y M G G P E Y I K Y F N D K T					

FIGURE 2A

388	397	406	415	424	433
ATT GAT GAG GAA CTA GAA CGG GAC AAG AGG GTC ACT TGG ATT GTG GAG TTC TTT.					
I D E E L E R D K R V T W I V E F F					
442	451	460	469	478	487
GCC AAT TGG TCT AAT GAC TGC CAA TCA TTT GCC CCT ATC TAT GCT GAC CTC TCC					
A N W S N D C Q S F A P I Y A D L S					
496	505	514	523	532	541
CTT AAA TAC AAC TGT ACA GGG CTA AAT TTT GGG AAG GTG GAT GTT GGA CGC TAT					
L K Y N C T G L N F G K V D V G R Y					
550	559	568	577	586	595
ACT GAT GTT AGT ACG CGG TAC AAA GTG AGC ACA TCA CCC CTC ACC AAG CAA CTC					
T D V S S T R Y K V S T S P L T K Q L					
604	613	622	631	640	649
CCT ACC CTG ATC CTG TTC CAA GGT GGC AAG GAG GCA ATG CGG CGG CCA CAG ATT					
P T L I L F Q G G K E A M R R P Q I					
658	667	676	685	694	703
GAC AAG AAA GGA CGG GCT GTC TCA TGG ACC TTC TCT TCT GAG GAG AAT GTG ATC CGA					
D K K G R A V S W T F S E E N V I R					
712	721	730	739	748	757
GAA TTT AAC TTA AAT GAG CTA TAC CAG CGG GCC AAG AAA CTA TCA AAG GCT GGA					
E F N L N E L Y Q R A K K L S K A G					

FIGURE 2B

766	775	784	793	802	811
GAC AAT ATC CCT GAG GAG CAG CCT GTG GCT TCA ACC CCC ACC ACA GTG TCA GAT	D N I P E E Q P V A S T P T V S D				
820	829	838	847	856	865
GGG GAA AAC AAG AAG GAT AAA TAA GAT CCT CAC TTT GGC AGT GCT TCC TCT CCT	G E N K K D K				
874	883	892	901	910	919
GTC AAT TCC AGG CTC TTT CCA TAA CCA CAA GCC TGA GGC TGC AGC CTT TTA TTT					
928	937	946	955	964	973
ATG TTT TCC CTT TGG CTG TGA CTG GGT GGG GCA GCA TGC AGC TTC TGA TTT TAA					
982	991	1000	1009	1018	1027
AGA GGC ATC TAG GGA ATT GTC AGG CAC CCT ACA GGA AGG CCT GCC ATG CTG TGG					
1036	1045	1054	1063	1072	1081
CCA ACT GTT TCA CTG GAG CAA GAA AGA GAT CTC ATA GGA CGG AGG GGG AAA TGG					
1090	1099	1108	1117	1126	1135
TTT CCC TCC AAG CTT GGG TCA GTG TGT TAA CTG CTT ATC AGC TAT TCA GAC ATC					
1144	1153	1162	1171	1180	1189
TCC ATG GTT TCT CCA TGA AAC TCT GTG GTT TCA TCA TTC CTT CTT AGT TGA CCT					
1198	1207	1216	1225	1234	1243
GCA CAG CTT GGT TAG ACC TAG ATT TAA CCC TAA GGT AAG ATG CTG GGG TAT AGA					

FIGURE 2C

1252	1261	1270	1279	1288	1297
ACG CTA AGA ATT TTC CCC CAA GGA CTC TTG CTT CCT TAA GCC CTT CTG GCT TCG					
1306	1315	1324	1333	1342	1351
TTT ATG GTC TTC ATT AAA AGT ATA AGC CTA ACT TTG TCG CTA GTC CTA AGG AGA					
1360	1369	1378	1387	1396	1405
AAC CTT TAA CCA CAA AGT TTT TAT CAT TGA AGA CAA TAT TGA ACA ACC CCC TAT					
1414	1423	1432	1441	1450	1459
TTT GTG GGG ATT GAG AAG GGG TGA ATA GAG GCT TGA GAC TTT CCT TTG TGT GGT					
1468	1477	1486	1495	1504	1513
AGG ACT TGG AGG AGA AAT CCC CTG GAC TTT CAC TAA CCC TCT GAC ATA CTC CCC					
1522	1531	1540	1549		
ACA CCC AGT TGA TGG CTT TCC GTA ATA AAA AGA TTG GGA TTA 3'					

FIGURE 2D